REGISTRATION OF BUCKSKIN WHEAT
(Reg. No. 572)

J. W. Schmidt, V. A. Johnson, P. J. Mattern,
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'BUCKSKIN' wheat (Triticum aestivum L. em Thell.), CI 17263, is a hard red winter wheat selected in the F2 generation from the cross 'Scout'/3/'Quivira'/'Tenmarq'/'Marquillo'/'Oro' made in 1962 at the Nebraska Agric. Exp. Stn. It was developed cooperatively by the Nebraska Agric. Exp. Stn. and the ARS-USDA, and tested in the Southern Regional Performance Nursery as Nebraska Selection 68435.

Buckskin is a moderately early winter wheat. It is slightly taller than 'Scout 66' but has stronger straw. The spike is white, awned, tapering, long, middense, and nodding at maturity. Glumes are white, glabrous, short, and narrow, with shoulders narrow and square to oblique, and with long acuminate beaks. Awns are 5 to 10 cm long, and the kernels are red, hard, short to midlong and ovalized; crease shallow; cheeks rounded.

Buckskin has a high yield potential over a range of environments. It is less winterhardy than Scout 66. It is susceptible to leaf rust, [Puccinia rubigo-vera (De.) Wint. f. sp. tritici (Eriks.) Carl.] and wheat streak mosaic virus (Marmor virgatum McKvar. typicum McK.), but has moderate resistance to soil-borne mosaic virus (M. Triticici Holmes var. typicum McK.), stem rust (P. graminis pers. f. sp. tritici Eriks. & E. Henn.), and Hessian fly [Mayetiola destructor (Say)]. Buckskin has excellent milling and baking characteristics: average grain protein content, good loaf volume, medium dough-mixing time, and good mixing tolerance.

Buckskin was named and released jointly in 1973 by the Agric. Exp. Stns. of Nebraska and Kansas, and ARS-USDA. Buckskin is protected (Certificate 7400108) under the Plant Variety Protection Act, Public Law 91-577, by the Nebraska Agric. Exp. Stn., and may be sold only as a class of certified seed. Seed classes recognized are breeder, foundation, registered, and certified. Breeder seed will be maintained by the Nebraska Agric. Exp. Stn.

REGISTRATION OF HIPLAINS WHEAT
(Reg. No. 573)

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'HIP Plains' wheat (Triticum aestivum L. em Thell.), CI 17264, is a hard red winter wheat selected in the F2 generation from the cross 'Gage'/4/'Kenya 58'/Newthatch'/'Teinmarq'/Mediterranean'/'Hope'/3/'Pawnee'/Oro' made in 1962 at the Nebraska Agric. Exp. Stn. 'Sentinel' also was selected from this cross. Homestead was developed cooperatively by the Nebraska Agric. Exp. Stn. and ARS-USDA and tested in the Southern Regional Performance Nursery as Nebraska Selection 68437.

Homestead is an early-maturing winter wheat. It is short, moderately strong straw. The spike is white, awned, erect and middense. Glumes are glabrous, short, and narrow, with shoulders narrow and square to oblique, and with long acuminate beaks. Awn length is 5 to 9 cm, and awn color may range from white to brown or black, depending on environmental conditions. The kernels are red, hard, medium long to long, ovate to long ovate, not collared, beaks midshort and acuminate. Awn length is 5 to 9 cm. The kernels of Homestead are reddish, hard, midlong to long ovate, not collared, beaks midshort and acuminate. Awn length is 5 to 9 cm. The kernels of Homestead are reddish, hard, midlong to long ovate, not collared, beaks midshort and acuminate.

Homestead is less winterhardy than 'Scout 66' and lacks the general adaptation of Scout 66. It is superior in straw strength and resistance to stem rust (P. graminis Pers. f. sp. tritici Eriks. & E. Henn.) and soil-borne mosaic virus (Marmor triticum Holmes var. Typicum McK.). It is susceptible to wheat streak mosaic (M. virgatum McK.) than is Scout 66, and as susceptible to Hessian fly [Mayetiola destructor (Say)]. Homestead has very good milling and baking characteristics: above-average grain protein content, good loaf volume, medium dough-mixing time, and good mixing tolerance.

Homestead was named and jointly released by the Nebraska Agric. Exp. Stn. and the ARS-USDA. Seed classes of Homestead designated by the Nebraska Agric. Exp. Stn. are breeder, foundation, registered, and certified. Breeder seed will maintain breeder seed.